

Procedure for bypassing a QPA Fan Fault

There is no need to call Don Bruno to use this procedure. If you find the fan is really broken (not spinning) then you must call Don Bruno and you cannot leave the QPA jumper plug in.

- 1) CAS should go out to 1007W and look in the locker that contains the spare current regulator cards. On the front of this locker it says "QPA JUMPER PLUGS". These are in there as well.
- 2) CAS will find a drawer in the top shelf of the cabinet that contains a dual banana plug with an insulated shorting bar across the banana plugs. This is called a qpa fan interlock jumper plug.
- 3) They take this jumper plug out to the qpa that has a problem.
- 4) They plug it in to the female banana plug on the qpa. The female banana plug is red and black.
- 5) MCR runs TAPE to turn on the p.s.
- 6) CAS must be looking at the QPA before MCR runs the TAPE and they must observe if the fan is spinning slowly or if it is locked and not spinning at all.
- 7) Once the p.s. turns on MCR should ask CAS if the fan is spinning just as fast as the fans in the other QPA's. If they say YES then you can leave it like this and run. You must also leave a phone message for Don Bruno at x5533 and send Don Bruno an e-mail at bruno@bnl.gov. A Note should also be made in the e-log so this can be fixed the next maintenance day.
- 8) If the fan does not spin or is spinning too slow, with the jumper plug in, then you cannot leave the jumper plug in. It must be removed and you must contact Don Bruno so he can instruct CAS on how to replace the qpa. CAS should not replace the qpa on their own.
- 9) If the QPA is mounted on the top of the p.s. CAS should get a ladder and look inside the filter of the QPA with a flashlight before MCR runs TAPE. They should be able to tell if the fan is spinning just as fast as the others after the p.s. turns on. They may be able to look in the back of this QPA to see the fans if they want to try that.
- 10) Any questions contact Don Bruno